

Substitute for form 1449



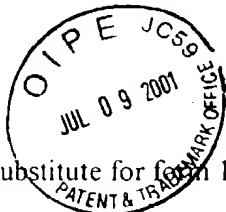
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application No. 09/827,432
Applicant: Izmailov
Filing Date: April 06, 2001
Title: Method and Apparatus
for Alignment of DNA
Sequencing Data Traces

Page 1 of 2

U.S. PATENT DOCUMENTS

Examiners Initials	U S Patent No.	Name of Persons or applicant	Date of Publication of Cited Document
<i>CPL</i>	4,849,513	Smith et al.	07-18-1989
	4,855,225	Fung et al.	08-08-1989
	5,118,800	Smith et al.	06-02-1992
	5,124,247	Ansorge	06-23-1992
	5,171,534	Smith et al.	12-15-1992
	5,213,673	Fujimiya et al.	05-25-1993
	5,268,486	Waggoner et al.	12-07-1993
	5,365,455	Tibbetts, et al.	11-15-1994
	5,608,063	Hobbs, Jr. et al.	03-04-1997
	5,614,386	Metzker et al.	03-25-1997
	5,710,628	Waterhouse et al.	01-20-1998
	5,751,534	DeBalko	05-12-1998
	5,789,168	Leushner et al.	08-04-1998
	5,821,058	Smith et al.	10-13-1998
	5,830,657	Leushner et al.	11-03-1998
	5,834,189	Stevens et al.	11-10-1998
	5,916,747	Gilchrist et al.	06-29-1999
	5,981,186	Gabe et al.	11-09-1999
	6,005,663	Waterhouse et al.	12-21-1999
	6,027,709	Little et al.	02-22-2000
	6,068,737	De Chamorro et al.	05-30-2000



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PAGE 2 OF 2

FOREIGN PATENT DOCUMENTS

<i>CPC</i>	WO 95 11961	The University of Utah	05-04-1995
	WO 97 40184	Visible Genetics Inc.	10-30-1997
	WO 98 41650	Visible Genetics Inc.	09-24-1998
	WO 00 68410	Visible Genetics Inc.	11-16-2000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	
<i>CPC</i>	MICHAEL C. GIDDINGS, et al., An adaptive, object oriented strategy for base calling in DNA sequence analysis; Nucleic Acids Research, 1993, Vol. 21, No. 19.
	JAMES B. GOLDEN, III, et al., Pattern Recognition for Automated DNA Sequencing: I. On-line Signal Conditioning and Feature Extraction for Basecalling; Dept. of Mechanical Engineering, Dept. of Microbiology and Immunology, Vanderbilt University Schools of Medicine and Engineering, Nashville, TN 37232-2363. <i>Proc. Int. Conf. Indell. Syst. Mol. Biol. 1993, 1, 136-144</i>
	LANCE B. KOUTNY, et al., Automated Image Analysis for Distortion Compensation in Sequencing Gel Electrophoresis; 1369 Applied Spectroscopy 46(1992 January, No. 1, Frederick, MD, US.
	KEITH KRETZ, et al., Cycle Sequencing, PCR Methods and Applications S107-S112, Manual Supplement. <i>PCR Methods Appl. 1994 vol. 3</i>
	MICHAEL A. REEVE et al., A novel thermostable polymerase for DNA sequencing; Nature, Vol. 376, August 31, 1995.
	GUALBERTO RUANO, et al., Coupled amplification and sequencing of genomic DNA; Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 2815-281, April 1991, Genetics.
	C. THIBETTS, et al., Neural Networks for Automated Basecalling of Gel-based DNA Sequencing Ladders, Dept. of Microbiology and Immunology, Dept. of Mechanical Engineering, Vanderbilt University Schools of Medicine and Engineering, Nashville, TN 37232-2363, USA.
	STEFAN WIEMANN, et al., Simultaneous On-Line DNA Sequencing on Both Strands with Two Fluorescent Dyes; Analytical Biochemistry 224, 117-121 (1995).

Examiner Signature

Date Considered

01/20/04



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Application No: 09/827432
Filing Date: April 6, 2001
First Named Inventor: Izmailov
Group Art Unit: 1631
Examiner Name: Ly
Attorney Docket No.: VGEN.P-066US

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Examiner's Initials	US Patent Document	Name of Patentee or applicant of cited document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Col	5,668,435	BURGI, ET AL.	09 SEPT 1997	

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	office	Number	Kind Code	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages where relevant passages appear	T ^s

2/23/04